



1600

## RAW SEQUENCE LISTING

DATE: 08/28/2003

PATENT APPLICATION: US/09/249,543B

TIME: 09:48:20

Input Set : A:\NEB-154.txt

Output Set: N:\CRF4\08282003\I249543B.raw

3 <110> APPLICANT: Evans, Thomas  
 4 Xu, Ming-Qun  
 6 <120> TITLE OF INVENTION: Intein-Mediated Protein Ligation Of Expressed Proteins  
 8 <130> FILE REFERENCE: NEB-154-PUS  
 10 <140> CURRENT APPLICATION NUMBER: 09/249,543B  
 11 <141> CURRENT FILING DATE: 1999-02-12  
 13 <160> NUMBER OF SEQ ID NOS: 26  
 15 <170> SOFTWARE: PatentIn Ver.2.0

## ERRORED SEQUENCES

Does Not Comply  
 Corrected Diskette Needed

373 <210> SEQ ID NO: 24  
 374 <211> LENGTH: 154  
 375 <212> TYPE: PRT  
 376 <213> ORGANISM: Artificial Sequence  
 W--> 378 <220> FEATURE: *insert <220>*  
 378 <223> OTHER INFORMATION: Description of Artificial Sequence: Chemically  
 379 Synthesized From Methanobacterium  
 380 thermoautotrophicum.  
 OK 383 <400> SEQUENCE: 24  
 385 Gln Leu Gly Arg Ile Glu Ala Thr Asn Pro Cys Val Ser Gly Asp Thr  
 386 1 5 10 15  
 389 Ile Val Met Thr Ser Gly Gly Pro Arg Thr Val Ala Glu Leu Glu Gly  
 390 20 25 30  
 393 Lys Pro Phe Thr Ala Leu Ile Arg Gly Ser Gly Tyr Pro Cys Pro Ser  
 394 35 40 45  
 397 Gly Phe Phe Arg Thr Cys Glu Arg Asp Val Tyr Asp Leu Arg Thr Arg  
 398 50 55 60  
 401 Glu Gly His Cys Leu Arg Leu Thr His Asp His Arg Val Leu Val Met  
 402 65 70 75 80  
 405 Asp Gly Gly Leu Glu Trp Arg Ala Ala Gly Glu Leu Glu Arg Gly Asp  
 406 85 90 95  
 409 Arg Leu Val Met Asp Asp Ala Ala Gly Glu Phe Pro Ala Leu Ala Thr  
 410 100 105 110  
 413 Phe Arg Gly Leu Arg Gly Ala Gly Arg Gln Asp Val Tyr Asp Ala Thr  
 414 115 120 125  
 417 Val Tyr Gly Ala Ser Ala Phe Thr Ala Asn Gly Phe Ile Val His Asn  
 418 130 135 140  
 421 Cys Gly Glu Gln Pro Leu Leu Thr His Glu  
 422 145 150  
 481 <210> SEQ ID NO: 26  
 482 <211> LENGTH: 149

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483 &lt;212&gt; TYPE: PRT

484 &lt;213&gt; ORGANISM: Artificial Sequence

W--> 486 <220> FEATURE: *insert*

486 &lt;223&gt; OTHER INFORMATION: Description of Artificial Sequence: Chemically

487 Synthesized From Methanobacterium

488 thermoautotrophicum.

E 490 &lt;400&gt; SEQUENCE: 26

492 Leu Glu Ala Thr Asn Pro Cys Val Ser Gly Asp Thr Ile Val Met Thr

493 1 5 10 15

496 Ser Gly Gly Pro Arg Thr Val Ala Glu Leu Glu Gly Lys Pro Phe Thr

497 20 25 30

500 Ala Leu Ile Arg Gly Ser Gly Tyr Pro Cys Pro Ser Gly Phe Phe Arg

501 35 40 45

504 Thr Cys Glu Arg Asp Val Tyr Asp Leu Arg Thr Arg Glu Gly His Cys

505 50 55 60

508 Leu Arg Leu Thr His Asp His Arg Val Leu Val Met Asp Gly Gly Leu

509 65 70 75 80

512 Glu Trp Arg Ala Ala Gly Glu Leu Glu Arg Gly Asp Arg Leu Val Met

513 85 90 95

516 Asp Asp Ala Ala Gly Glu Phe Pro Ala Leu Ala Thr Phe Arg Gly Leu

517 100 105 110

520 Arg Gly Ala Gly Arg Gln Asp Val Tyr Asp Ala Thr Val Tyr Gly Ala

521 115 120 125

524 Ser Ala Phe Thr Ala Asn Gly Phe Ile Val His Asn Cys Gly Glu Gln

525 130 135 140

528 Pro Thr Gly Glu Phe

529 145

VARIABLE LOCATION SUMMARY

DATE: 08/28/2003

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Input Set : A:\NEB-154.txt

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Use of n's or Xaa's (NEW RULES):

Use of n's and/or Xaa's have been detected in the Sequence Listing.

Use of <220> to <223> is MANDATORY if n's or Xaa's are present.

in <220> to <223> section, please explain location of n or Xaa, and which residue n or Xaa represents.

Seq#:21; Xaa Pos. 12

**VERIFICATION SUMMARY**

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Input Set : A:\NEB-154.txt

Output Set: N:\CRF4\08282003\I249543B.raw

L:299 M:258 W: Mandatory Feature missing, <221> Tag not found for SEQ ID#:21  
L:299 M:258 W: Mandatory Feature missing, <222> Tag not found for SEQ ID#:21  
L:299 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:21 after pos.:0  
L:378 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:24  
L:383 M:200 E: Mandatory Header Field missing, <220> Tag not found for SEQ ID#:24  
L:486 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:26  
L:490 M:200 E: Mandatory Header Field missing, <220> Tag not found for SEQ ID#:26